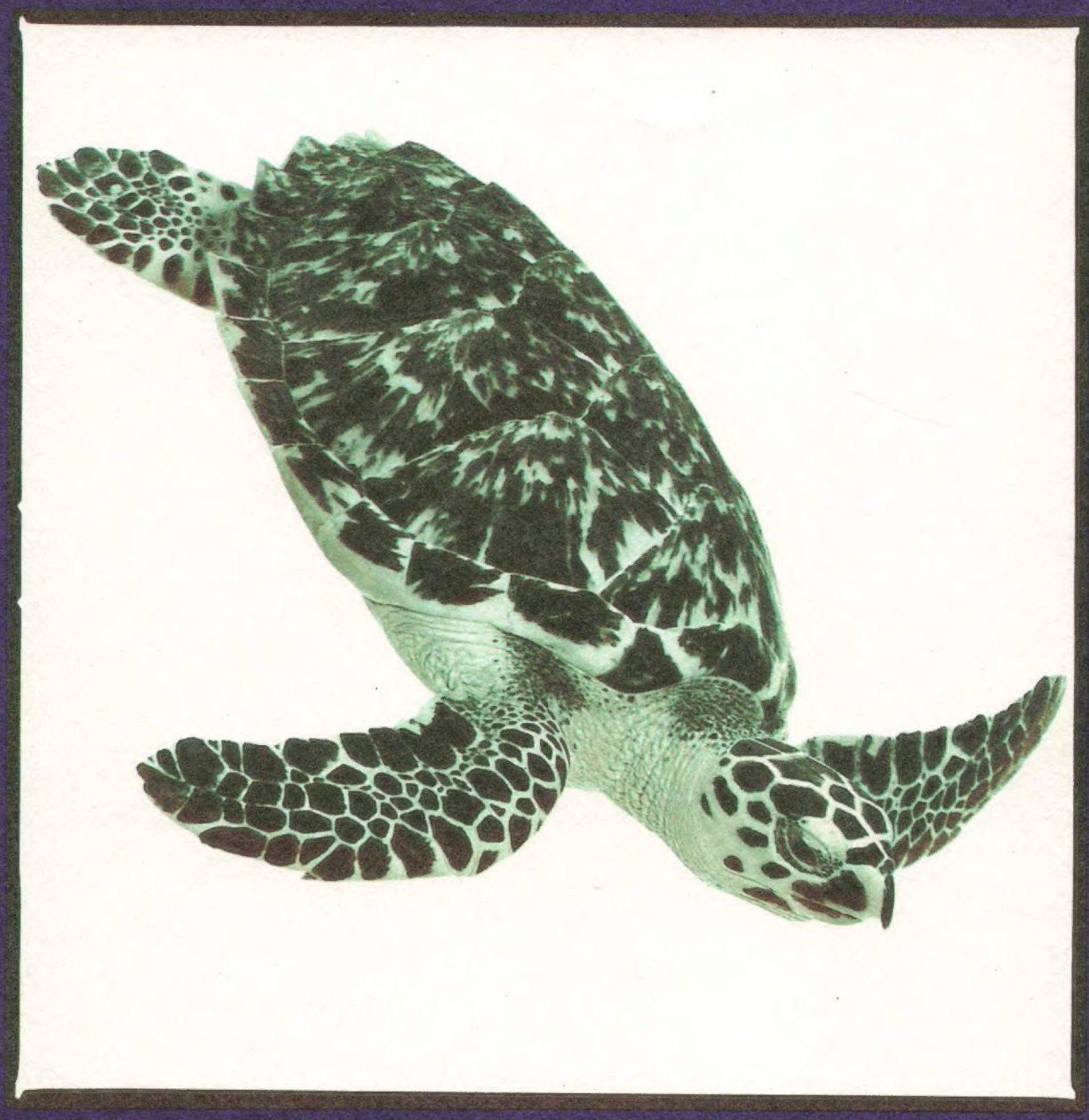
1991-1992 California Academy of Sciences Annual Report ✣ Morrison Planetarium ✣ Steinhart Aquarium ✣ Natural History Museum



For a Better World.

On the Cover

This image of a hawksbill sea turtle is from "The North American Endangered Species Project," a new Academy photographic project by Susan Middleton and David Liittschwager, who are documenting 100 federally listed endangered species. Native to tropical oceans around the world, the hawksbill is impacted by shrimpers' nets, egg poachers and tortoise shell trade. Listed in 1970, 50,000 were being killed each year for tortoise shell. Current population is unknown.

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Natural history museums must continually revise and update their activities to respond to changing public demands and to remain relevant in our changing world. Accordingly, our new exhibits and programs attempt to inform as well as pose questions.

For example, I realize that there is an inherent conflict between the growth of population and the preservation of the diversity of species which inhabit this world. That is a theme which has been articulated among scientists around the globe. During the last year, the Academy's staff began "The North American Endangered Species Project." Our objective is to create photographs of federally listed endangered species. The photographs will take two years to complete, and after being exhibited at the Academy, will travel to other natural history museums throughout the U.S. In addition, the Academy has developed an audio tour that unites all of our exhibits on the single theme of endangered species. There is a wealth of information in our exhibits that may go unnoticed in a casual visit. In order to provide better access to this information, we have initiated highlight tours of the museum which are available every day. Technology is enabling us to communicate in new and more powerful ways. The Biodiversity Resource Center offers CD-ROMs as well as laser discs for use by the public. We also are in the process of developing an electronic bulletin board. In response to a concern that fewer scientists are being trained in systematics, we have started a program where high school students work with our scientists and interface with Academy visitors. Hopefully, these young students will be excited by science and will consider it as a career. The Golden Gate Park bond issue was passed which will enable the Academy to improve its salt water intake system. That, in turn, is important to the planned renovation of the Steinhart Aquarium. In addition, we are proceeding with the seismic upgrade of the Invertebrate Zoology & Geology building. Our activities have occurred because active trustees, staff, volunteers, charitable foundations, corporations and the City of San Francisco have supported us. Without this support, we would not be able to carry out our overlapping missions of research and education. Thank you to all of you who make it possible.

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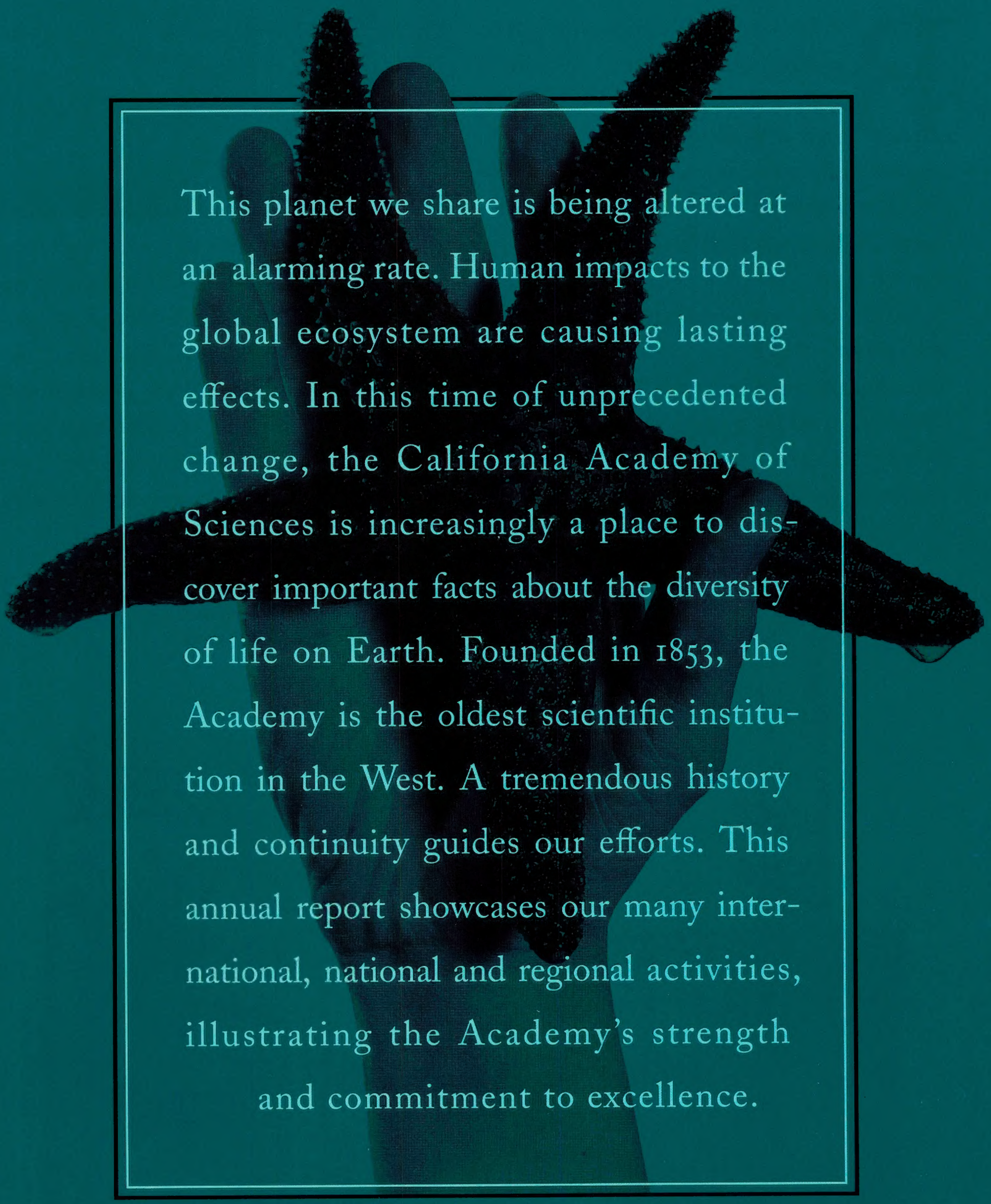
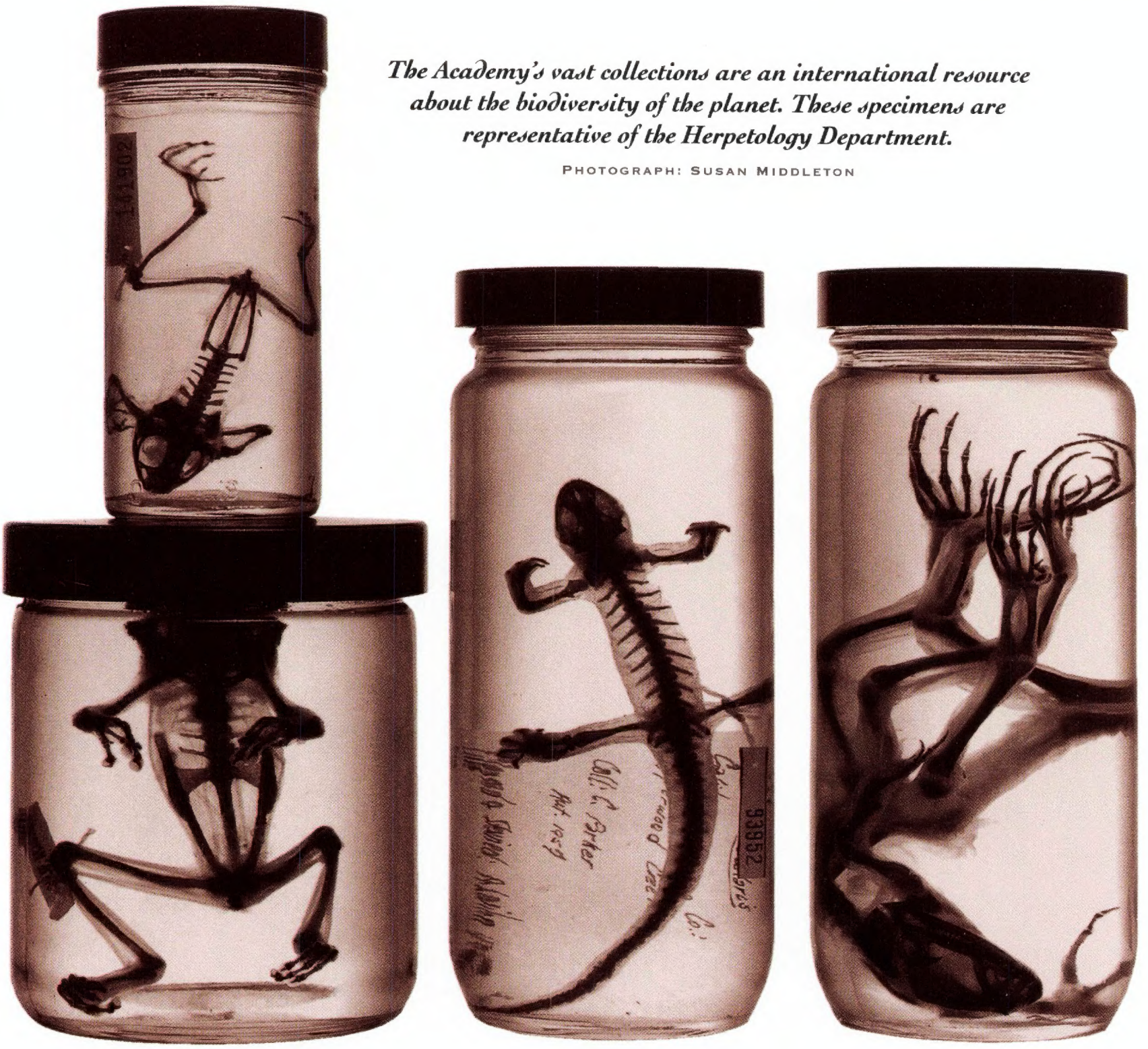


This planet we share is being altered at an alarming rate. Human impacts to the global ecosystem are causing lasting effects. In this time of unprecedented change, the California Academy of Sciences is increasingly a place to discover important facts about the diversity of life on Earth. Founded in 1853, the Academy is the oldest scientific institution in the West. A tremendous history and continuity guides our efforts. This annual report showcases our many international, national and regional activities, illustrating the Academy's strength and commitment to excellence.

FOR A BETTER WORLD

Research

Behind the public museum, which reaches one-and-one-half million people each year, Academy scientists in eight departments work to expand our basic knowledge about the Earth, its natural resources and its inhabitants. Academy researchers study biodiversity worldwide, describing more than 50 new species every year. The Academy provides scientific knowledge and expertise to visiting scientists, educators, students, parents, conservation organizations, the media and the general public. ❁❁❁ Collections of more than 14 million plants, animals, fossils and artifacts provide essential tools for comparative studies in biodiversity, and are international resources, ranked among the world's largest. They are used much like libraries: each year, scientists from around the globe come to study these collections, and thousands of specimens are loaned to other research institutions and scholars worldwide.



The Academy's vast collections are an international resource about the biodiversity of the planet. These specimens are representative of the Herpetology Department.

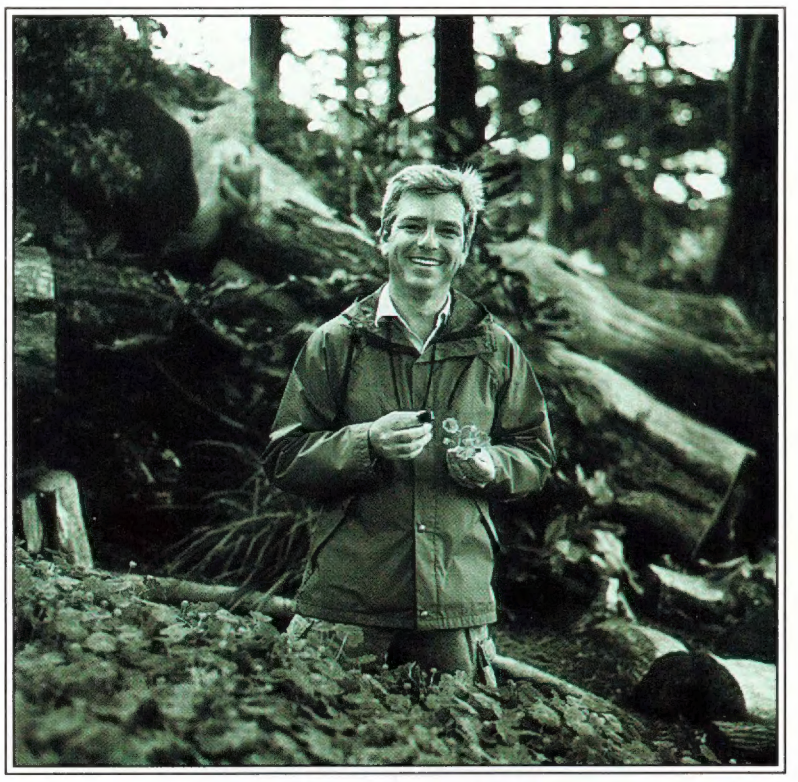
PHOTOGRAPH: SUSAN MIDDLETON

PHOTOGRAPH ON PRECEEDING PAGE BY CAROLINE KOPP

Steinhart Aquarium Director Dr. John E. McCosker is a world authority on the behavior of the great white shark. His research is described in a new popular publication,* Great White Shark, *co-authored by McCosker and Richard Ellis.

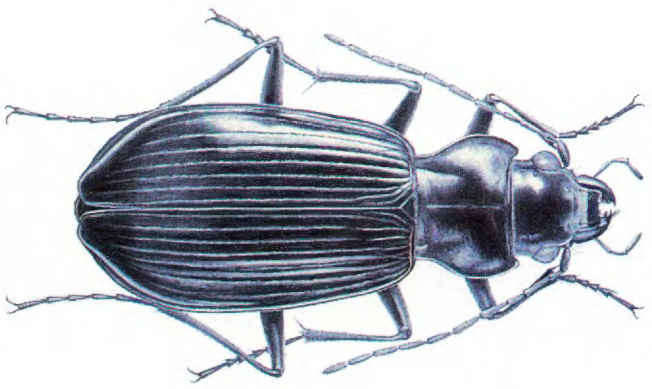
PAINTING: COPYRIGHT 1985 RICHARD ELLIS

This has been a very productive year for Research at the Academy. Our scientists traveled to 25 countries on five continents to conduct field research and share their findings with international colleagues. Together they published more than 150 scholarly publications—the largest number in Academy history. Alan Leviton, Curator of Herpetology, together with S.C. Anderson, K. Adler and S.A. Minton, published the *Handbook to Middle East Amphibians and Reptiles.* This landmark guide helps to identify poisonous or dangerous animals in the deserts of the Middle East. David Kavanaugh, Curator of Entomology, published a monograph of the Carabid beetles of the Queen Charlotte Islands. John McCosker with Richard Ellis co-authored *Great White Shark,* published by Stanford University Press and HarperCollins, a definitive look at this formidable predator, for the lay public. The Academy continues to describe the planet's biodiversity. Publications this year include descriptions of a new blueberry from Mexico, wasps from Namibia, and a new grenadier fish from the Indian Ocean, to name a few. The Academy was awarded $3.3 million in grant support for research and collections maintenance, more than any time in its history, including $1 million to curate Entomology's vast collections exceeding seven million specimens.



Dr. Frank Almeda, Curator of Botany, examines a plant collected in the Tapanti Wildlife Refuge as part of a botanical inventory being conducted with colleagues at the National Museum in Costa Rica.

PHOTOGRAPH: CAROLINE KOPP



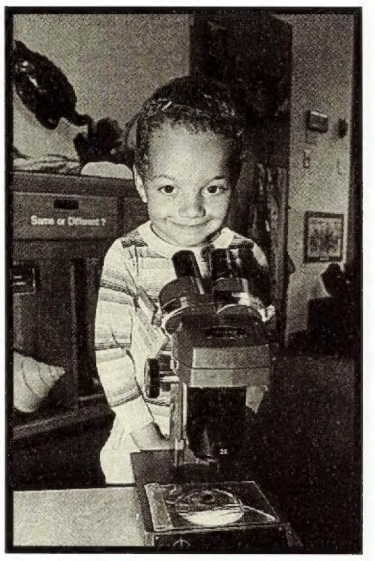
Carabid Beetle of the Queen Charlotte Islands, British Columbia, described by Dr. David Kavanaugh, Department Chair and Senior Curator of Entomology.

DRAWING:
MARY ANN TENORIO

DEPARTMENT	ACQUISITIONS	LOANS	RESEARCH
	Total specimens accessioned	Total specimens loaned	Total visitors (Number of visitor days)
Anthropology	342	41	59
Aquatic Biology	n/a	n/a	865
Botany	15,127	14,465	874
Entomology	146,898	28,300	2,160
Herpetology	5,433	1,872	392
Ichthyology	561	11,934	158
Invertebrate Zoology & Geology	22,847	6,573	191
Ornithology & Mammalogy	649	217	1,170
Totals	191,857	63,402	5,869
Total holdings in all collections–as of June 30, 1992			14,576,056
Percentage of growth since 1972 for all departments			70.58%

Education

The Academy is dedicated to excellence in education. Over the last year, the Education Department brought our scientific message to more students than ever before. School teachers bring more than 300,000 children to the aquarium, planetarium and natural history museum annually. And the Academy is increasing its efforts to enrich and expand classroom science programs. ❦❦❦ Educational symposia bring together science teachers with world renowned scientists. "Biology Forum," a series of presentations and seminars for high school science teachers, has kept Northern



A visit to the Academy is not complete without a stop in the Discovery Room, where everything is meant to be touched. Here children (and adults) are encouraged to learn by interaction with materials from nature. A microscope reveals intricate patterns of feathers and insects.

PHOTOGRAPH: CAROLINE KOPP

Children at the Whitney Young Child Development Center in San Francisco's Hunter's Point neighborhood enjoy a visit by the Academy's Education Department.

PHOTOGRAPH: CAROLINE KOPP

This Junior Academy member is discovering aquatic insects in Golden Gate Park's Mallard Lake.

PHOTOGRAPH: CHARLOTTE FIORITO

California educators in the forefront of scientific discovery. The program has expanded its scope and impact to include sessions for rural high school teachers. The Adult and Family Education program had a record-breaking year with 251 classes and fieldtrips and a total of nearly 5,000 participants. More adults were eager to experience the unusual tastes found in "Tropical Roots and Fruits," the amazing sights of "Birds of the Klamath Basin," and the adventure of sea kayaking and snorkeling with the "Marine Biology of the San Juan Islands," to name a few of the offerings. Introduced this year were courses specifically designed for educators, such as "Whales and Coastal Ecology for K–8 Teachers." To mark the 500 years of contact between the Old and New worlds, *Pacific Discovery,* the Academy's quarterly magazine, published a special Winter issue. The volume focused on the major repercussions that came from this encounter: the distribution—both deliberate and inadvertent—of foods, medicines, diseases, plants and domesticated animals; and the effects, both short and long term, of the immigrants on the indigenous population.Concurrent with the "Endangered Species" exhibit, the Spring issue included a series of articles centered on the status of the Endangered Species Act, its achievements to date and the various issues surrounding its reauthorization.

A close encounter with a turtle is part of the Adult Education experience in this class at the Academy's Pepperwood Natural Preserve in Sonoma.

PHOTOGRAPH: CAROLINE KOPP

Docent Yaye Herman explains the undersea beauty revealed in Wild California's Farallon Island aquarium.

PHOTOGRAPH: CAROLINE KOPP

Exhibits and Events

Exhibits and events bring the message of Academy research to the public. Special exhibits over the last year featured the diversity of life on Earth, including human cultures. A new exhibit and Academy-wide audio tour, "Endangered," unites the Academy's diverse exhibits under a single theme and highlights the work of Academy scientists in the field. New highlight tours offer visitors a guided experience through the museum. "Sea Stars" featured stunning undersea photography by Alexandra Edwards and Nancy Burnett, accompanied by real sea stars in aquaria and a description of Academy research on sea stars and their relatives. "The Circle of Life" dramatically explored the profound importance of ritual in human cultures. This world

This baptism at Moon Lake in Mississippi brings together members of three local churches to initiate their youngsters; one of the images that represents the many ways different cultures mark the transitions that we share in "The Circle of Life."

PHOTOGRAPH:
COPYRIGHT KEN LIGHT, FROM THE CIRCLE OF LIFE,
HARPER, SAN FRANCISCO

Canadian artist Robert Bateman's Ceremonial Pose—Red-Crowned Crane *was one of twenty original paintings and lithographs shown in the Academy exhibit, "Natural Visions," presented by Mill Pond Press.*

LITHOGRAPH: COPYRIGHT 1990 ROBERT BATEMAN, MILL POND PRESS

premiere exhibit celebrated the wealth and diversity of rites of passage throughout modern and traditional societies. Ceremonial Arts programs brought the exhibit to life with daily presentations of cultures from around the world. Special lectures reached a broader audience through expanded programs in the Morrison Auditorium and the Herbst Theatre. Peter Matthiessen, Sir David Attenborough, Tony Hillerman, Wallace Stegner, David Quammen and James Gleick were among this year's guests at the Academy's Conversations and Readings at the Herbst Theatre, presented by City Arts & Lectures. More than twenty special lectures in the Morrison Auditorium reached 6700

Open House is the spectacular annual event when the Academy opens all of the research departments to the members. It is a wonderful chance to tour behind the scenes, meet the staff and learn about the significance of systematic research.

PHOTOGRAPH: CAROLINE KOPP

natural science enthusiasts on topics from "The Future of the West," and "The Wild Cats of Thailand," to "The Maya of Central America" and "Science and the Public Trust Doctrine." ❁❁❁ A new photographic project, "The North American Endangered Species Project," focuses the Academy's efforts on the important subject of endangerment.

Symbols of habitats that are rapidly vanishing, these four endangered species portraits by Susan Middleton and David Liittschwager poignantly pose an urgent question. The northern spotted owl lives in some of the last stands of old-growth forest in the Pacific Northwest. The Wyoming toad resides in the Laramie Basin, where researchers speculate that the decline in population is due to herbicide use. The black-footed ferret was thought for some time to be extinct and may be North America's rarest mammal. It lives in burrows stolen from the prairie dogs on which it preys. This Presidio manzanita is the only known plant of its kind still in the wild. It grows in a carefully guarded and maintained area of the Presidio Army Base in San Francisco.

Photographs on cover and this page: Copyright 1992 Middleton/Liittschwager

Daphne Derven, new Director of Public Programs, administers the Academy's many exhibits, lectures, performances, events and educational activities.

PHOTOGRAPH: CAROLINE KOPP

Susan Middleton and David Liittschwager spent the year researching and photographing endangered plants and animals native to this continent. The project began in early 1991 and will be completed in 1993 with photographs of 100 species representing every major group and geographic region. Each subject is photographed against a stark background of black or white. This deliberate style of isolating the subject from its context—the habitat upon which it depends for survival—conveys a crucial message. The very existence of habitat becomes an urgent question. ❀❀❀ The photographs themselves hold intrinsic scientific and historic value. Analogous to the Academy's collections of specimens, these photographs will serve as a visual resource and an effective teaching tool. Most important, through the publication of a large-format book, the production of a major traveling exhibition and a variety of curriculum materials, the project will instill a reverence for the irreplaceable character of each creature in danger of extinction. There is hope for endangered species, and the hope lies in greater understanding of the complexity of the issue.

Daily ceremonial arts demonstrations and performances were a lively extension of the Academy's Traditional Arts program, presented as part of "The Circle of Life" exhibit. Artists from around the world demonstrated their crafts by creating unique objects used in ritual. Here two artists from Manipur, India play pung *drums, which are used in a majority of Manipuri ceremonies.*

PHOTOGRAPH: CHARLOTTE FIORITO

Planetarium

The Morrison Planetarium is Northern California's largest indoor Universe. This year, more Academy visitors took advantage of the opportunity to see a sky show. The Planetarium presented 890 shows to 114,644 star gazers. The staff serves as a resource for information about the position of the planets, phases of the moon, rising and setting of the sun, strange objects observed in the sky, meteor showers and eclipses. The special lecture program, "Exploring the Universe," brought speakers at the forefront of solar, stellar and planetary research into the unique setting of the Planetarium to discuss such topics as extragalactic astronomy, the Magellan mission to Venus and the search for extraterrestrial life. Bing Quock, Assistant Chair of the Planetarium, arranged a public viewing event for the

The Planetarium's star projector was the first major star projector to be built in the U.S. by the Academy's Instrument Shop in 1952. The projector is maintained continuously by Academy staff and was upgraded with automation in 1991.

PHOTOGRAPH: SUSAN MIDDLETON

Artist Lynette Cook creates space art for the Planetarium's sky shows as well as for a variety of special products in the Academy Store. This painting of planets is from a new series of notecards.

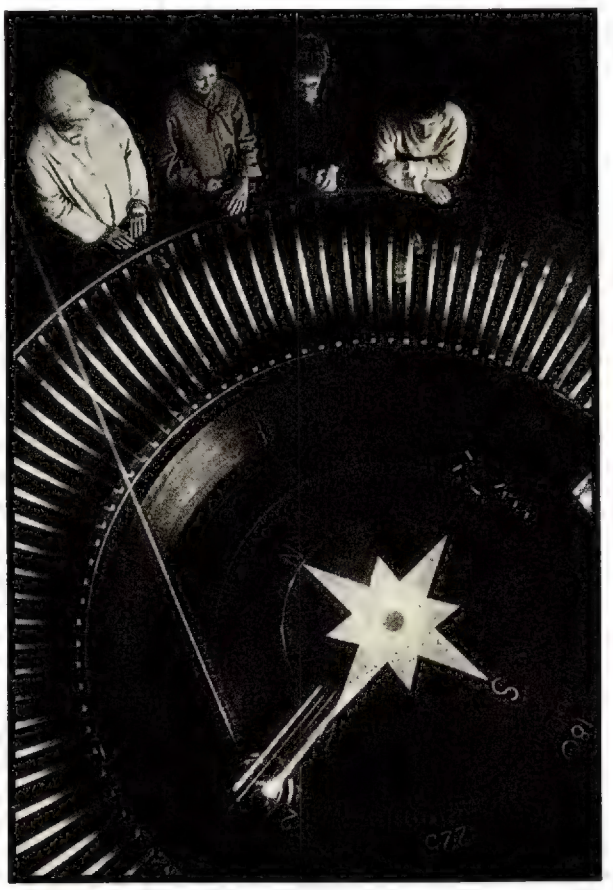
PAINTING: LYNETTE COOK

partial eclipse of July 11 as seen from Golden Gate Park. Hundreds of people came to see images of the eclipse through telescopes and pinhole projectors. At the same time, Planetarium Chair Steven Craig and Education Coordinator Lonnie Baker were leading a Total Eclipse Tour of 100 adventurers to Oaxaca, Mexico.

International Space Year, the first worldwide celebration of humanity's future in space, has been commemorated at the Academy through a variety of activities. The sky show, "Explorations," reflects on our ongoing quest to explore not only our planet but the entire Universe—from sailing ships to star ships. The Planetarium collaborated with the Exhibits Department to produce an art exhibit, "Visions of the Universe," featuring the work of nine Bay Area space artists, curated by the Planetarium's space artist Lynette Cook.

The Foucault Pendulum is named for French physicist Jean Foucault who used the pendulum in 1851 as scientific proof that the Earth rotates on its axis. The direction of the swing never changes; but, because the Earth under it is turning, the pendulum knocks down a peg every 22 minutes. The Academy supplies Foucault Pendulums to scientific institutions all over the world.

PHOTOGRAPH: SUSAN MIDDLETON

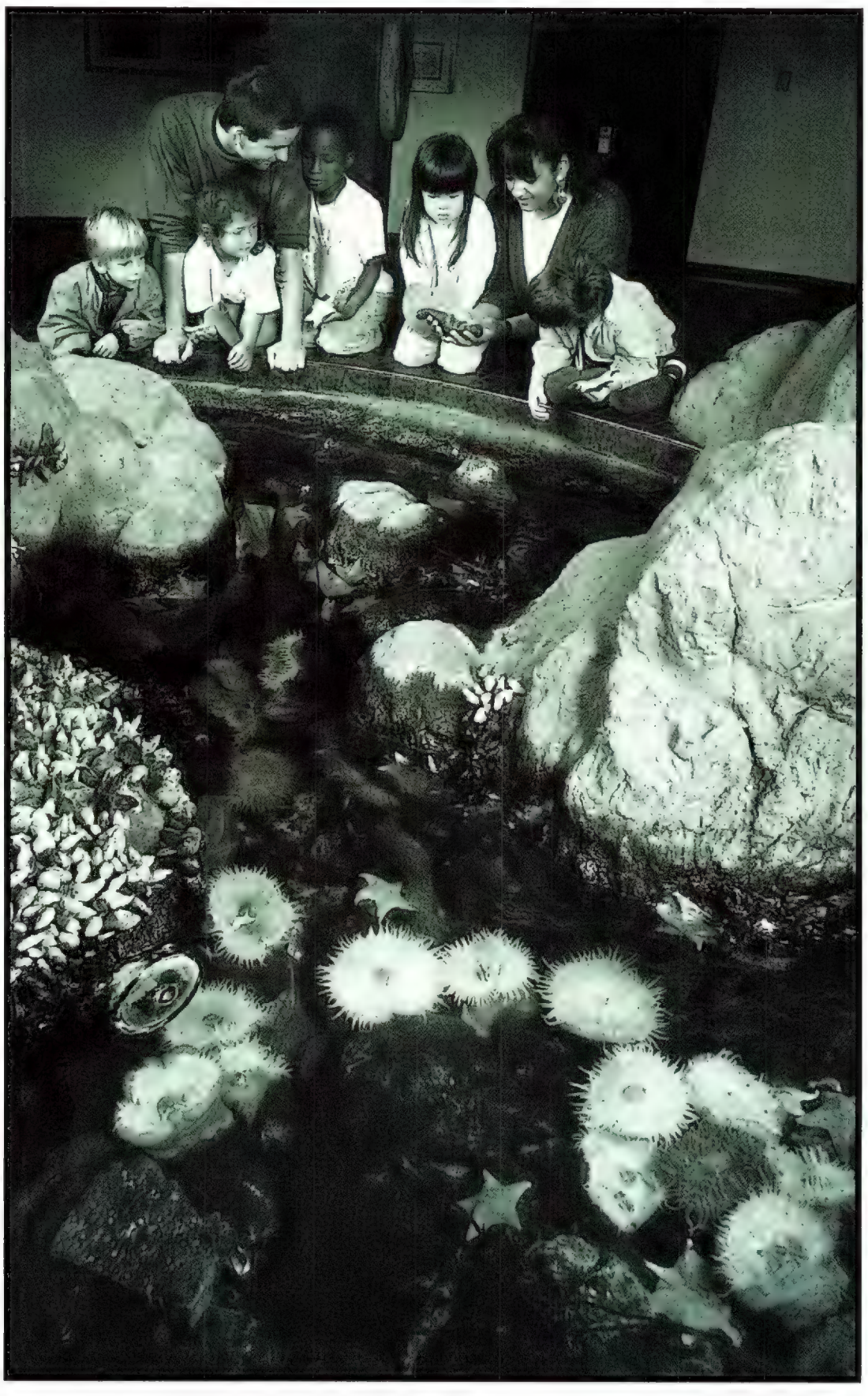


Young visitors enjoy the partial solar eclipse of July 11, using safe home-made viewers which project images of the eclipsed sun onto screens at the ends of cardboard tubes.

PHOTOGRAPH: CHARLOTTE FIORITO

Aquarium

Imagine standing in the middle of schooling ocean fishes, coming face to face with playful seals, or visiting the colorful world of a tropical coral reef. These are some of the wonders that await visitors in the Steinhart Aquarium. The Aquarium is the Academy's living museum of biodiversity, representing marine and freshwater animals and plants from around the world in one of the most diverse collections anywhere. The Academy's black-footed penguins entertain visitors and teach about the importance of preserving this threatened species. Native to coastal islands off South



The Tidepool Touch Tank is an interactive display of intertidal life where visitors shake hands with sea stars, sea urchins, sea cucumbers and hermit crabs.

PHOTOGRAPH: CAROLINE KOPP

The Fish Roundabout encircles the viewer in 100,000 gallons of open-ocean habitat. In a normal aquarium, pelagic —or open-ocean fishes— collide with the walls. In the Roundabout, fishes swim continuously against the one-knot current.

PHOTOGRAPH: SUSAN MIDDLETON

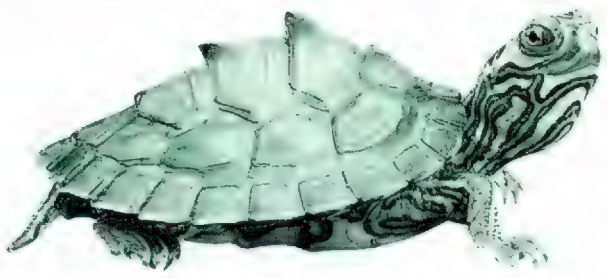
Africa, the Academy's penguins have successfully bred in captivity for eight years. This year our penguin colony fledged five new members. In addition, we shipped 17 young penguins to other institutions, including the Pueblo Zoo in Pueblo, Colorado, where our birds form the foundation for the new colony there. Aviculturist Karen Anderson visited northern Chile to observe and study wild Humboldt penguins, which are a close relative to the black-footed penguin. Her work contributes to the efforts to save these endangered penguins, and the information from her trip will aid in the husbandry of the Academy's colony and serve to inform our educational programs.

The black-footed penguin colony is a study in the breeding behaviors of these delightful flightless birds.

PHOTOGRAPH: CHARLOTTE FIORITO

These Australian lungfish are the senior residents of Steinhart Aquarium. The larger lungfish in this display arrived in 1938, when it was about half its present size.

PHOTOGRAPH: CAROLINE KOPP



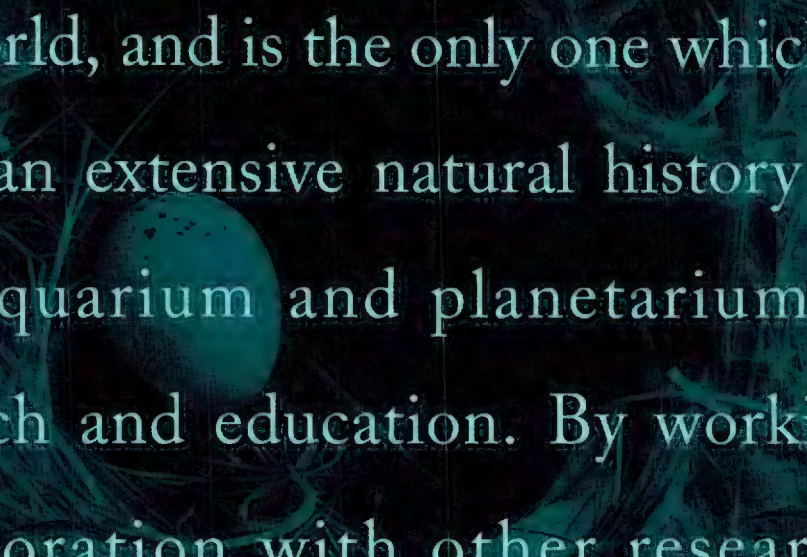
Turtles, frogs, snakes, lizards, alligators and crocodiles make their home in the Aquarium's grand entrance hall.

PHOTOGRAPH: CAROLINE KOPP

PHOTOGRAPH ON NEXT PAGE BY SUSAN MIDDLETON

THE CALIFORNIA ACADEMY OF SCIENCES

The Academy is a dynamic institution that continues to grow and change in order to meet the challenges that face us all. The Academy ranks among the most significant natural science institutions in the world, and is the only one which combines an extensive natural history museum, aquarium and planetarium with research and education. By working in collaboration with other research institutions and expanding our outreach efforts to teachers in both the Bay Area and across the nation, the Academy is achieving higher levels of excellence in scientific education and research.



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The research, education and public programs of the Academy are supported by the generosity of our many donors. In the period of July 1, 1991 to June 30, 1992, the Academy received contributions totalling $3,588,081. This included $2,181,807 in unrestricted support; $739,301 in restricted gifts for current operations; and $641,973 in endowment funds. The following pages list those who have donated cash, goods or services and represents the sum of all gifts made for this fiscal year, whether to the Annual Fund, the Academy Ball or to other programs.

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Fellows' Medalist

Each year, one prominent Fellow is selected for special honors. At the annual Fellows' meeting in October 1991, the institution's highest honor, the Fellows' Medal, was presented to Dr. Robert C. Stebbins, Emeritus Professor of Integrative Biology at the University of California, Berkeley, in recognition of his outstanding contributions to the field of herpetology and to a greater understanding of the natural history and conservation of California's deserts.

In addition to authoring numerous publications, Dr. Stebbins is an accomplished scientific illustrator and artist, having recently exhibited his desert art at the Academy. Dr. Stebbins has been a Fellow of the Academy since 1959.

Fellows' Distinguished Service Award 1991-1992

This year, the Fellows' Distinguished Service Award was presented to Mr. Steven B. Craig, Chairman of the Morrison Planetarium, in recognition of his dedication and commitment to the Academy since 1960. Mr. Craig has served the Academy in various capacities including the position of Operations Manager, in which he supervised and coordinated the Instrument Shop, Cabinet Shop, Security, and Custodial departments. He came to his present position as the Chairman of the Morrison Planetarium in 1984. As Chairman, he oversees the production and presentation of more than 1060 Planetarium and special school shows which reach a yearly audience of more than 150,000 individuals.

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Dr. J. Dan Webster

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Planetarium Chair Steven B. Craig received the Fellows' Distinguished Service Award in honor of his 32 years at the Academy.

Volunteers

The volunteers listed below contributed nearly 51,000 hours in service to the Academy during 1991-1992. Each department benefited from the skills, generosity and commitment of these 931 individuals. The Academy acknowledges, with gratitude, their very significant contribution.

Departments

Ad Administration
As Academy Store
AE Academy Escort
An Anthropology
Aq Aquarium
BC Biodiversity Center
Bo Botany
CD Certified Diver
Cl Clerical
Do Docent
Dp Dolphin Research
DR Discovery Room
Dv Development
Ed Education
EdM Educational Media
En Entomology
Ex Exhibit
He Herpetology
HL Highlight Guide
Ic Ichthyology
ID Information Desk
IG Invertebrates and Geology
IS Instrument Shop
JA Junior Academy
KS KidSpace
Li Library
LS Library – Special Collection
Mm Membership
OM Ornithology and Mammalogy
Op Operations
Or Orienteers
Os Osher Laboratory
PD Pacific Discovery
Ph Photography
PI Public Information
Pl Planetarium
PP Public Programs
PW Pepperwood Ranch
SE Special Events
SP Scientific Publications
TP Tidepool

Phyllis Abad, HL
Sharon Abe, DR
Humberto Adams, LS Cl
Jean Adams, Do
Dale Ahearn, Li
Alfred Ainsley, SE
Diana Aldcroftt, Aq
Kate Alderete, TP
Nunzio Alioto, TP
Bettie Allen, Ex JA
Helen Allen, SE LS
Jessica Altstatt, Aq
Perelandra Ambrosyus, Dp Aq
Kathryn Amenta, ID
Beresford Amoroso, Do
Ethel Anderson, Cl DR
Kathleen Anderson, HL
Keri Anderson, TP SE
Lee Andresen, BC Do
Mary Angelich, Do
Mary Anger, DR
Charles Apple, Do
Carmelita Arburua, Do
Greg Arcenio, BC
Anna Armitage, DR TP
Connie Armitage, Do
Madeline Arnaud, En
John Arnold, OM
Edith Arrick, HL
Annalaura Averill, SE OM
Jacky Averill, Li
James Baer, Dv Ex
Greg Bailey, Or
Frank Baker, SE ID Do
Donald Baldwin, Li
Carolyn Balsley, Do
Raymond Bandar, OM
Marisa Barisione, Aq
Francis Baron, Do
Nancy Baron, Bo Do
Richard Barr, AE
Ellen Barth, Do
Mulan Bartholomew, KS
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Sarane Bowen, He
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Anne Briggs, Dp
Buddy Brodwin, CD
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Josie Brownback, EP
Joanne Bruggemann, SE ID
Sioux Brundage, HL
Martin Brunner, IG
Irawati Budi, Os
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Sylvia Bunshoft, Do
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Jeff Engelhardt, Aq TP
Helen Engh, Do
Richard Epstein, Ex Bo
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Jane Frank, LS
Phil Frank, PP
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Jane Galvan, DR Do
Evelyn Gara, CI Do Aq
George Gara, HL
Sadye Garfinkel, ID
Debra Garza, Aq
Sally Gati, An
Nora Gaughan, ID
Diana Gay-Catania, Ic
Dolores Gebhardt, Do
Cynthia Geiss, Ex
Joanne Germano, Do
Susie Gibbs, SE An
Melissa Gill, Ex
Ann Gilmore, Aq
Samantha Glorioso, Do
Antonio Godoy, PI
Benoit Goessens, He
Gabrielle Goffinet, Aq
David Goldberg, TP
Marj Goodner, Do
Chris Gostyla, Aq
Phyllis Graff, Do
Marjorie Graham, BC
Pat Graham, Do
Linda Grant, SE DR
Brian Gray, He
Mary Green, Ad SE
Arlene Greenberg, HL
Julie Greenberg, PP
Henry Gregory, Do
Karen Greig, Li
Karen Grimmer, Aq
Amalia Guerrero, SE CI
Dexter Guess, Aq
Kristin Gunning, Li
Susan Guthrie, BO
Jaime Guzman, TP He
Lisa Gwyn, TP
Sylvia Haas, SE
Ruth Haber, Aq
Marie Hagelstein, SE
Betty Hall, Do
Susan Hall, DR
Reuben Haller, TP DR
Bob Halsey, Do
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Ben Hammett, LS
Rebecca Hammett, TP
Oliver Hampton, TP
Tony Han, HL
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Jacklyn Harang, AE SE
Pauline Haro, BC TP
Kimberley Harris, SE Aq
Ed Hartsook, SE Do
Jean Harvey, Do
Barbara Hauge, Do
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Bill Hauser, TP CL
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Lilo Hendrix, Do
Harvey Herman, BC
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Nathaniel Higgs, TP
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Paul Holtzman, Do SE
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Catherine Horner, Do
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Tyson Jue, En
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Carol Keiper, OM
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Maureen Kelly, DR
Tricia Kelly, TP
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Kathleen Kennedy, Do
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Doris Ketcham, LS
Chris Kibre, HL
Virginia Kibre, HL
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Roger Kilpatrick, Ex
Glenn Kim, Ex

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Volunteer Services has grown to 930 volunteers under the direction of Diane Butler during her 20 years of Academy service.

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Richard Lazarus, ID HL AE
C. Bruce Lee, OM
Calvin Lee, Aq
Corliss Lee, Li
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Enid Leff, SE LS OM
David Legge, Do
Sally Legge, Do
Edgar Lehmann, BC
Mike Lehmann, Aq
Jacquelyn Lehmer-Henderson, HL
Debbie Leibensberger, Aq
Mary Lemos, SE
Katherine LeVan, TP
Nikolas Levenberg, En
Naomi Levinson, Do
David Levitt, Aq
James Lewis, Do
Marcelle Lewis, HL
Anthony Lialin, BC TP
Raymond Lie, DR
Ellen Lieber, Do
Robert Lilienthal, Do SE
Sandy Linder, Do
Janet Linn, HL
Nancy Linscott, CI
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Edwin Lombard, ID
Kathleen Long, Li
David Lonzarich, IG
Laura Lorbeer, SE Bo
Rolland Louden, Do
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Jim Lovette, Tp
Sara Lowry, KS
Lawrence Lucks, Li Do SE
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Kay Martin, Bo
Elizabeth Massie, OM
Martha Masterson, SE
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Steven Mays, Aq
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Joanne McClintock, PD
Maria McCord, HL
William McCoy, Bo
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Esther Montoro, Bo
Eric Moon, HL
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Virginia Moore, LS
Stephanie Morch, BC
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Austin Morrill, AE DR ID
ZeeZee Mott, Do
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Jennifer Nash, Aq
Ruth Nash, IG
Gloria Naval, BC
Nancy Neilson, SE DR TP
Carol Nelson, HL
Debbie Nelson, En
Dora Nelson, ID
Marcy Neth, BC
Charlotte Neville, LS
Joseph Ng, En
Carland Nicholson, Do
Therese Nikas, Bo
Carmela Nilan, SE DR
David Nonomura, Aq
Marion Norberg, Do
Mary Frances Norman, Do
John Northwood, Do
Elizabeth Norton, HL
Evan Notman, OM
Roma Jean Noyes, Do SE
Patricia O'Brien, HL
Bobbie O'Connell, HL
Damon O'Keefe, Ed
Joseph O'Shea, Bo
Peter Olsen, HL
Edward Orey, Op
Margaret Orr, Do
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Anne Zaneski, SE CI
Margaret Zankel, Do SE
Rebekah Zapf, HL TP SE
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Camille Zerba, HL
Harriet Ziesenis, CI LS He
Cay Zilka, Do

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Donna Worthington
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Glen Angell
Designer/Planner
Alan Hayward
Executive Staff Associate
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Assistant Editor
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Dolores Rogers
Human Resources Coordinator
Kriss Nelson
Human Resources Assistant
Chikako Epure
Human Resources Secretary
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Secretaries
Suzanne Bottorff
Mara Fath
Vicki Gay
Barbara Holst

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Cary Ponchione
Electronic Engineering Technician
Dean Do
Electronic Technician
Otto Prossr
Machinist Technician
Darryl Skrabak
Audio Video Technician
Jim Runner
Building Maintenance Technician
Gerry Socco
Painter/Building Technician
Ron Walters

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Phil Seaton (from 4/92)
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Daniel Langlands
Lighting Technician/ Apprentice Electrician
Gus Marino

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Sam Elliott
John Gaddies
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Antoinette Mondy
Rosa Ortiz
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Assistant Chief of Security
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Anthony Price
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Paul Woolf
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Glenn Laughery
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Jerry Robinson
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Duane Isaac
John Lewis
Paul Martinez
Rob Ronconi
Leslie Sherron
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Senior Engineer
David Bishop
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Lane Chrisman
Barry Cotter
Kenneth Hangartner
Jamie Padover
Rebekah Silberberg

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John E. McCosker (from 10/91)
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Christine B. Kibre
Legal Counsel
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Secretary
Renee Maxwell
Assistant Secretary
Mara Fath (to 2/92)

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Accountant
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Junior Accountant
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Accountant Assistant/ Payroll Supervisor
John Cienna
Bookkeepers
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Freda Sherman
Accounting Clerks
Carolyn Balsley
Suzanne Gray
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Carmen Corenjo
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Diane Farmer
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Bernadette Hurley
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Susan Langlands
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Melody Nunag
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Cheryl Stanley
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Steven Abrahams (from 8/91 to 10/91)
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Karen MacKenzie (from 2/92)
Patricia Fisher (from 6/92)
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Senior Research Fellow
Michael T. Ghiselin
Post-Doctoral Fellow
Michael P. Russell
Senior Collections Manager
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Senior Curatorial Assistants
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Isidore O. Szczepaniak
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SEM Technician
Darrell Ubick

OSHER LABORATORY FOR MOLECULAR SYSTEMATICS
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ANTHROPOLOGY

Scientific Publications

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——. 1992. *Thompsonella* Britton & Rose (Crassulaceae), with *R. colliculosa*, a new species. Cactus and Succulent Journal 64:37-44, figs. 1-7.
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This image of Native Americans is from the Special Collections, part of the Academy Library, which includes more than 200,000 slides, videos and photographs.

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Summary of Audited Financial Statements

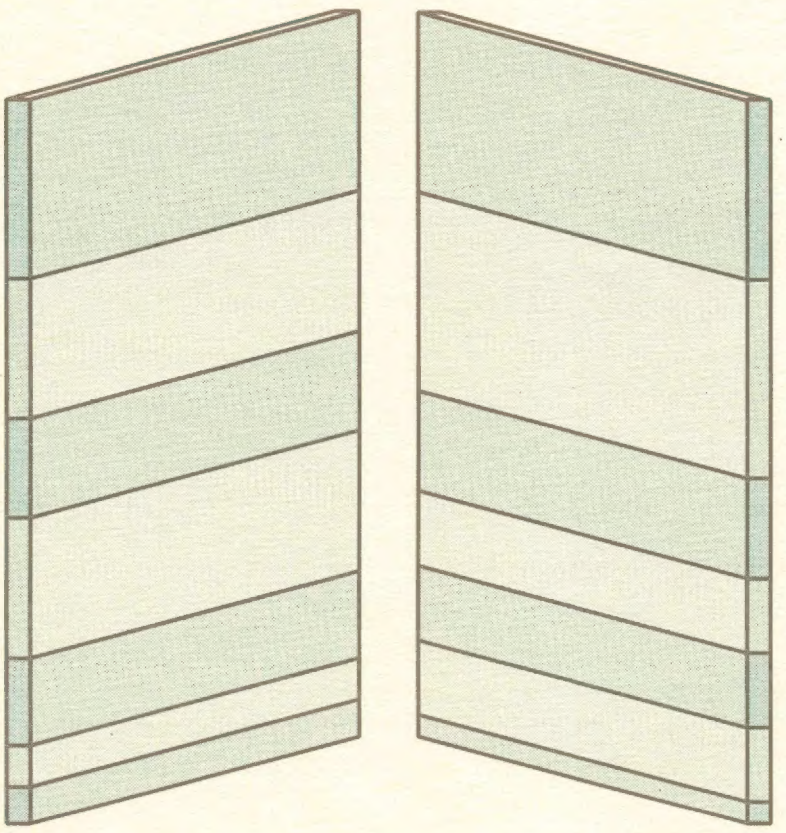
Balance Sheet

Year ended June 30, 1992 (with comparative totals for 1991) ASSETS	*Current funds* — *General Operating*	*Current funds* — *Restricted*	*Endowment and Similar Funds*	*Plant Fund*	*Total all funds* — *1992*	*Total all funds* — *1991*
Cash and cash equivalents:						
Commercial accounts	$ 27,728	$ 50	$ ——	$ 45,000	$ 72,778	$ 383,741
Money market funds	——	1,908,671	——	3,501	1,912,172	1,825,818
Receivables:						
Research grants	——	731,997	——	——	731,997	777,608
Accrued interest and dividends	238,446	7,002	——	——	245,448	273,848
Other	182,587	2,169	178,770	34,501	398,027	422,016
Inventory	368,376	——	——	——	368,376	359,423
Prepaid expenses	418,416	8,119	——	——	426,535	343,027
Investments in marketable securities	——	——	53,224,965	——	53,224,965	48,824,355
Property and equipment at cost, less accumulated depreciation	——	——	——	32,149,806	32,149,806	32,786,610
Due from (to) other funds	(402,113)	(45,873)	4,080	443,906	——	——
Total assets	$ 833,440	$ 2,612,135	$ 53,407,815	$ 32,676,714	$ 89,530,104	$ 85,996,446
LIABILITIES AND FUND BALANCES						
Liabilities:						
Accounts payable and accrued expenses	$ 753,735	$ 22,088	$ 2,463	$ 29,648	$ 807,934	$ 1,201,154
Deferred grant revenue	——	706,311	——	——	706,311	739,158
Deferred income	79,705	15,000	——	——	94,705	169,864
Other liabilities	——	——	——	——	——	624,511
Total Liabilities	$ 833,440	$ 743,399	$ 2,463	$ 29,648	$ 1,608,950	$ 2,734,687
Fund balances:						
Current restricted	$ ——	$ 1,868,736	$ ——	$ ——	$ 1,868,736	$ 1,831,629
Plant fund	——	——	——	32,647,066	32,647,066	33,463,011
Endowment and similar funds	——	——	53,405,352	——	53,405,352	47,967,119
Total Fund Balances	$ ——	$ 1,868,736	$ 53,405,352	$ 32,647,066	$ 87,921,154	$ 83,261,759
Total liabilities and fund balances	$ 833,440	$ 2,612,135	$ 53,407,815	$ 32,676,714	$ 89,530,104	$ 85,996,446

Revenues

Admissions	$3,669,764	25%
Contributions/ Membership	$2,803,410	19%
Auxiliary	$2,015,969	14%
Endowment	$2,886,778	20%
City and County of San Francisco	$1,754,289	12%
All Other	$816,695	5%
Government Grants	$762,377	5%

Current Funds



Expenses

25%	$3,664,584	Research
27%	$3,970,256	Public Programs
14%	$2,061,371	Aquarium
11%	$1,545,567	Auxiliary
10%	$1,544,658	Development/ Membership
10%	$1,474,493	Management/General
3%	$411,246	Capital

Statement of Activity and Changes in Fund Balances

Year ended June 30, 1992 (with comparative totals for 1991)	*Current funds*		*Endowment and Similar*		*Total all funds*	
	General Operating	*Restricted*	*Funds*	*Plant Fund*	*1992*	*1991*
Support and revenue:						
Admissions	$ 3,669,764	$ ——	$ ——	$ ——	$ 3,669,764	$ 3,132,090
Contributions	1,536,882	477,885	——	——	2,014,767	2,010,783
Memberships	787,173	1,470	——	——	788,643	622,669
Tuition and program fees	548,316	178,486	——	——	726,802	661,428
Auxiliary activities	2,015,969	——	——	——	2,015,969	1,823,427
Government grant income	87,319	675,058	——	——	762,377	570,577
City and County of San Francisco	1,754,289	——	——	——	1,754,289	1,790,360
Investment income	6,657	83,236	——	——	89,893	180,881
Endowment yield	1,949,814	160,082	——	——	2,109,896	2,086,989
Total support and revenue	$ 12,356,183	$ 1,576,217	$ ——	$ ——	$ 13,932,400	$ 12,879,204
Operating Expenses:						
Research	$ 3,094,617	$ 569,967	$ ——	$ ——	$ 3,664,584	$ 3,329,840
Public programs	3,432,371	537,885	——	——	3,970,256	3,380,404
Aquarium	2,015,872	45,499	——	——	2,061,371	2,062,131
Development and membership	1,497,356	47,302	——	——	1,544,658	1,445,974
Auxiliary activities	1,545,567	——	——	——	1,545,567	1,556,668
Management and general	1,466,631	7,862	——	——	1,474,493	1,378,216
Government grant overhead cost reimbursement	(146,560)	146,560	——	——	——	——
Depreciation expense	——	——	——	1,321,894	1,321,894	1,179,185
Total operating expenses	$ 12,905,854	$ 1,355,075	$ ——	$ 1,321,894	$ 15,582,823	$ 14,332,418
Excess (deficiency) of revenues over expenses before capital transactions and transfers	$ (549,671)	$ 221,142	$ ——	$ (1,321,894)	$ (1,650,423)	$ (1,453,214)
Capital transactions:						
Interest	$ ——	$ ——	$ ——	$ 2,202	$ 2,202	$ 90,104
Net gain on sale of investments	——	——	5,471,175	——	5,471,175	878,984
Grants and donations	——	——	743,940	25,000	768,940	3,791,793
City and County of San Francisco	——	——	——	67,501	67,501	1,845,870
Total capital transactions	$ ——	$ ——	$ 6,215,115	$ 94,703	$ 6,309,818	$ 6,606,751
Excess (deficiency) of revenues over expenses	$ (549,671)	$ 221,142	$ 6,215,115	$ (1,227,191)	$ 4,659,395	$ 5,153,537
Fund balances, beginning of year	$ ——	$ 1,831,629	$ 47,967,119	$ 33,463,011	$ 83,261,759	$ 78,108,222
Acquisition of property and equipment	(302,684)	(108,562)	——	411,246	——	——
Fund transfers	852,355	(75,473)	(776,882)	——	——	——
Fund balances, end of year	$ ——	$ 1,868,736	$ 53,405,352	$ 32,647,066	$ 87,921,154	$ 83,261,759

The information on these pages has been summarized from audited financial statements, copies of which are available upon request from the Office of the Executive Director.

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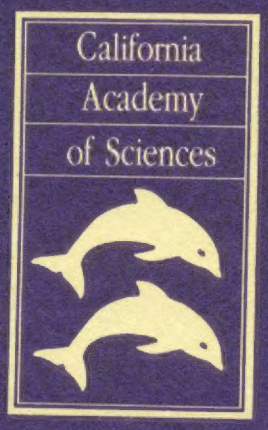

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